

*undated*  
 *circa 1966*

Memorandum for the Record

Subject: Polygraph Research and Development 1943-1956

1. Polygraph research for the years under consideration was sporadic in nature. The workload for these early years increased rapidly to the point of precluding the participation of all but a very few of those on board at the time in any form of research effort. Messers [redacted] and [redacted] were involved in the development of a pilot model small, [redacted] and [redacted] highly portable polygraph. Such a model was perfected and sent to the [redacted] company. It is certain that the very professional [redacted] and lightweight portable we now use as standard equipment dates back to this early effort. Directly related to this same effort was our presentation to TSD our ideas for a miniturized polygraph.

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2. In the early fifties several members of the staff participated in experimentation in [redacted] and its effect on the polygraph subject. Most of this effort was made by the employees concerned on their own time. Even though these experiments left much to be desired in the way of positive conclusions it is now felt that [redacted] is not an effective method to use in attempting to beat the polygraph.

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3. Our progress over the years in the area of test application in the form of improved testing techniques and question formulation has been good. For example, the change from the "PEQ" technique to the "Control Question" technique improved our polygraph product considerably. The separation of questions into phases increased our ability to produce tracings with less general and more specific indications of sensitivity. These innovations not only improved our product but also improved our "public image".

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